

Title (en)
DIRECT FLUID SHEAR DAMPER

Title (de)
DIREKT- FLUIDISCHER VISKOSITÄTSDÄMPFER

Title (fr)
AMORTISSEUR DE CISAILLEMENT FLUIDIQUE DIRECT

Publication
EP 1032776 A1 20000906 (EN)

Application
EP 98958442 A 19981005

Priority
• US 9820868 W 19981005
• US 96880597 A 19971122

Abstract (en)
[origin: WO9927275A1] Disclosed is a vibration damping and isolation apparatus having a passive damping mechanism. The passive damping mechanism includes an outer tubular member (16) and an inner member (25). The inner and outer members are linearly movable relative to one another upon application of forces to the damping apparatus. The inner member is spaced from the outer member by a fluid shear gap (37) that is filled with a viscous fluid. Fluid pressure of the viscous fluid remains constant while the viscous fluid dissipates the forces by direct fluid shear upon relative linear movement of the outer and inner members.

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IPC 8 full level
F16F 9/10 (2006.01); **F16F 9/52** (2006.01)

CPC (source: EP US)
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Citation (search report)
See references of WO 9927275A1

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DOCDB simple family (publication)
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US 9820868 W 19981005; CA 2311255 A 19981005; DE 69811719 T 19981005; EP 98958442 A 19981005; JP 2000522386 A 19981005; US 96880597 A 19971122